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Jessica Brown

PATENT

Applicants: Lars G. Svensson et al.

Serial No.: 09/758,631

Filing Date: January 10, 2001

Title: SYSTEM AND METHOD FOR
POWER-EFFICIENT CHARGING AND
DISCHARGING OF A CAPACITIVE LOAD
FROM A SINGLE SOURCE

Group Art Unit: 2838

Examiner: Adolf Berhane

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SUPPLEMENTAL AMENDMENT

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In the Claims

Please amend claims 127, 139, 150, 162, 173 and 185 as follows:

[1. A system for efficiently charging and discharging a capacitive load from a single voltage source of a first potential consisting of:

a first switch for selectively charging the load;

a second switch for selectively discharging the load;

plural capacitive elements; and

switch means for selectively connecting each of the capacitive elements to the capacitive load to gradually charge or discharge the capacitive load.]

[2. The invention of claim 1 wherein said switch means includes plural third switches connected between said capacitive elements and said load.]

[3. The invention of claim 2 wherein said switch means includes means for selectively activating the first, second and third switches.]